## OPINION 1341
## *SIMULIUM AMAZONICUM* GOELDI, 1905 (INSECTA, DIPTERA): NEOTYPE DESIGNATED

RULING. — (1) Under the plenary powers:

(a) all the original syntypes of *Simulium amazonicum* Goeldi, 1905, whether deposited in the British Museum (Natural History), Naturhistorisches Museum, Bern or elsewhere, and all subsequent designations of lectotypes from among those syntypes, are hereby set aside;

(b) the reared female specimen of *Simulium amazonicum,* deposited in the British Museum (Natural History) and whose data follows, is hereby designated as neotype. (*S. amazonicum* Goeldi, female, with associated pulpal pelt. BRAZIL: Amazonas, Bom Lugar, R. Purus. 8°42'S 67°22'W. 22.xi.1977 (*A. J. Shelley*)).

(2) The specific name *amazonicum* Goeldi, 1905, as published in the binomen *Simulium amazonicum,* and as defined by the neotype designated in 1(b) above, is hereby placed on the Official List of Specific Names in Zoology with the Name Number 2999.

### HISTORY OF THE CASE Z.N.(S.)2364

An application requesting the designation of a neotype for *Simulium amazonicum* Goeldi, 1905, was first received from Dr A. J. Shelley (*Department of Entomology, British Museum (Natural History), London*) on 31 October 1980. A slightly revised draft was sent to the printers on 24 February 1981 and published in *Bull. zool. Nom.,* vol. 39, pp. 67–70. Public notice of the possible use of the plenary powers in the case was given in the same part of the *Bulletin* as well as to the statutory serials, to seven general and nine entomological serials. Support for the case was received from Dr R. W. Crosskey (*Department of Entomology, British Museum (Natural History), London*) and was published in *Bull. zool. Nom.,* vol. 39, pp. 164–165. No other comment was received.

### DECISION OF THE COMMISSION

On 15 January 1985 the members of the Commission were invited to vote under the Three-Month Rule on Voting Paper (1985)6 for or against the proposals set out in *Bull. zool. Nom.* vol. 39, p. 69. At the close of the voting period on 15 April 1985 the state of the voting was as follows:

Affirmative Votes — twenty-one (21) received in the following order: Melville, Brinck, Holthuis, Savage, Lehtinen, Willink, Sabrosky,

Trjapitzin, Hahn, Mroczkowski, Bayer, Alvarado, Corliss, Uéno, Schuster, Kraus, Cogger, Heppell, Bernardi, Dupuis, Ride

Negative Vote — two (2) received in the following order: Cocks, Starobogatov.

Late affirmative votes were returned by Halvorsen and Binder.

The following comments were returned by members of the Commission with their voting papers:

*Holthuis*: 'The request by the applicant "to suppress all the original syntypes" does not sound very nice. The Code, Art. 75, Rec. 75E, talks about to "set aside the existing type material"; this in my opinion, is much better and does not give the association of poor smashed blackfly types.' [This point was acknowledged by the Secretary and incorporated into the present ruling].

*Cocks*: 'Since syntypes are available, they should not be rejected. Surely nothing would be lost if the filarid-bearing vector species was arbitrarily assumed to be conspecific or otherwise.'

*Bernardi*: 'Excellent exemple de l'intérêt de la Recommandation 75E. Désormais depuis la nouvelle édition du Code, la "tactique" proposée pour cette Simulie en matière de matériel typique est à encourager'.

*Dupuis*: 'Dans le cas particulier, je surmonte ma réprobation pour la routine des néotypes car, (1) le choix d'un néotype plus complet — donc meilleur — que d'ordinaire illustre exemplairement l'importance des stades ontogénétiques dans l'identification des Insectes Holométaboles, et (2) la légalisation des types les plus complets me paraît aussi utile dans le cas des Simulies que dans celui des Chironomides (où l'Opinion 1147 — cf. *Bull. zool. Nom.*, 37, 1980, pp. 11–26 — a tranché en faveur de types complets). Je vote donc POUR, mais à condition qu'afin d'être clairement explicite l'on désigne comme néotype "the complete individual comprising the pupal exuvium together with the emerging female imago". Je voterais CONTRE, si l'on désignait seulement "the reared female specimen", accréditant ainsi, dans la forme, la pratique routinière de types réduits à un stade ontogénétique preférentiel.' This comment was passed to the applicant who replied: 'The proposed neotype in the BM(NH) consists of a pinned female with its pupal pelt in glycerine. It is important to relate the pupal and adult stages in species of the *amazonicum* group because in some cases, e.g. *sanguineum, oyapockense, roraimense,* females can only be positively identified when associated with their pupal pelts.'

## ORIGINAL REFERENCES

The following is the original reference to the name placed on an Official List by the ruling in the present Opinion:

*amazonicum, Simulium,* Goeldi, 1905, *Mems. Mus. paraense Hist. nat. Ethnogr.*, vol. 4, p. 138.

## CERTIFICATE

I hereby certify that the votes cast on Voting Paper (85)6 were cast as set out above, that the proposals contained in that voting paper have been duly adopted under the plenary powers, and that the decision so taken, being the decision of the International Commission on Zoological Nomenclature, is truly recorded in the present Opinion. No. 1341.

R. V. MELVILLE
*Secretary*
*International Commission on Zoological Nomenclature*
*London*
*15 May 1985*